

What is claimed is:

1. A magnetic disc apparatus of a system of supplying lubricant to a magnetic disc platter, wherein:

5 at least any of components-in-apparatus the temperature while the magnetic disc apparatus is operated of which becomes higher than that of a cover or a base of the magnetic disc apparatus is coated with lubricant the number average molecular weight of which
10 is in a range of 900 to 2500.

2. A magnetic disc apparatus according to Claim 1, wherein:

the component-in-apparatus coated with the lubricant is a component-in-apparatus the temperature
15 while the magnetic disc apparatus is operated of which is higher by 10 °C or more than the cover or the base of the magnetic disc apparatus.

3. A magnetic disc apparatus of a system of supplying lubricant to a magnetic disc platter,
20 wherein:

at least either of the surface of a read/write IC unit or the surface of a magnet of a voice coil motor (VCM) in the magnetic disc apparatus is coated with lubricant the number average molecular weight of which
25 is in a range of 900 to 2500.

4. A magnetic disc apparatus of a system of supplying lubricant to a magnetic disc platter, wherein:

at least either of the surfaces substantially perpendicular to the data surface of a magnetic disc platter of a component located outside the magnetic disc platter when the component is viewed from the rotational center in the magnetic disc apparatus is coated with lubricant the number average molecular weight of which is in a range of 900 to 2500.

5. A magnetic disc apparatus of a system of supplying lubricant to a magnetic disc platter, wherein:

a cover, a base, a pivot bearing and a tapped hole for screwing a spindle and others in the magnetic disc apparatus are coated with lubricant the number average molecular weight of which is in a range of 900 to 2500.

6. A magnetic disc apparatus according to Claim 1, wherein:

the coated lubricant is perfluoropolyether lubricant shown by the following chemical formula (1).

$\text{CH}_2\text{OH}-\text{CF}_2(\text{OCF}_2\text{CF}_2)_m-(\text{OCF}_2)_n-\text{CH}_2\text{OH}$ (m and n: integer) --- Chemical formula (1)

7. A method of fabricating a magnetic disc apparatus of a system of supplying lubricant to a magnetic disc platter in the magnetic disc apparatus, wherein:

a process for applying lubricant to a component-in-magnetic disc which is a lubricant supply source includes at least any of a lubricant dip coating

process, an application process by a brush and a sponge marker and a process for dropping lubricant via a tapped hole for attaching a cover of the magnetic disc apparatus to a base.

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